

Claims

1. In a cellular telecommunications network, a method for allocation of a temporary mobile station identifier, characterised in that the method comprises steps, in which

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- the network checks, if a state change is needed for a mobile station,
 - a controlling radio network controller allocates a temporary mobile station identifier for a mobile station, and
 - said temporary mobile station identifier is indicated to said mobile station.

2. A method according to claim 1, characterised in that the method further comprises steps, in which

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- a controlling radio network controller allocates said temporary mobile station identifier for a mobile station as a response to receiving a paging request for the mobile station from a serving radio network controller,
 - said controlling radio network controller indicates said allocated identifier to the
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- mobile station by attaching said allocated identifier as a parameter to a paging request transmitted to the mobile station.

3. A method according to claim 2, characterised in that if the mobile station does not respond to the paging request, said controlling radio network controller releases said temporary identifier.

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4. A method according to claim 1, characterised in that the method further comprises steps, in which

- a controlling radio network controller allocates said temporary mobile station identifier for a mobile station as a response to receiving a paging request response from the mobile station,

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- said controlling radio network controller indicates said allocated identifier to the mobile station using a separate message.

5. A method according to claim 1, characterised in that if in said step of checking it is found that a state change from DCH to CCH state is needed, said allocated identifier is indicated to the mobile station with a message that triggers the

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state change from DCH to CCH state.

6. A method according to claim 1, characterised in that said temporary mobile station identifier is used for identifying the mobile station in signalling between two radio network controllers.

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a2

7. A method according to claim 1, characterised in that a dedicated temporary mobile station identifier is used for identifying the mobile station in signalling between two radio network controllers.

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